Model:A-1188

8DI,4DO PLC

User's Manual

1.Description

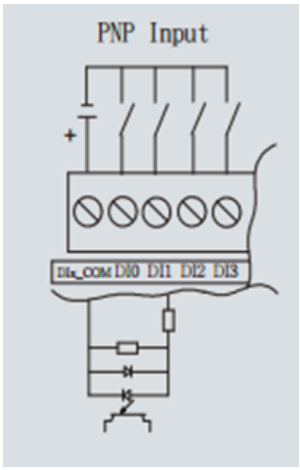
Input::8DI (PNP), Logic Level0:+1VDC

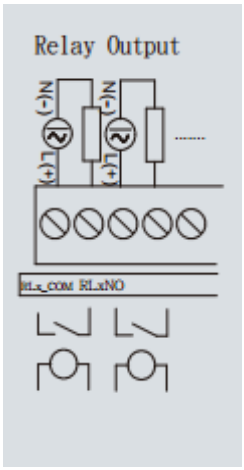
Logic Level1:+3.5~30VDC

Output:4DO(Power Relay Output)

Power supply:10~30VDC

Diagram：

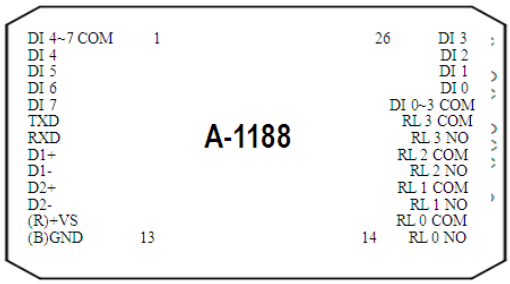




2. Features

- Ø FBD System
- Ø Multiple communication ports
- Ø Password protection, copy protection
- Ø 36 integrated functions, pre-tested functions
- Ø Linking of 1024 function block is possible
- Ø LED Input/Output Indicators
- Ø Integrated data latch
- Ø Flexibly expandable up to 10000 points
- Ø Support full Modbus protocol
- Ø Free PC software"Yotta Edit"+"Yotta Utility"

3.Pin Assignment



Item	Pin	Description	Item	Pin	Description
1	DI 4~7 COM	Input common(+)	26	DI 3	Input channel 3
2	DI 4	Input channel 0	25	DI 2	Input channel 2
3	DI 5	Input channel 1	24	DI 1	Input channel 1
4	DI 6	Input channel 2	23	DI 0	Input channel 0
5	DI 7	Input channel 3	22	DI 0~3 COM	Input common(+)
6	TXD	COM0 RS-232	21	RL 3 COM	Relay output common
7	RXD	COM0 RS-232	20	RL 3 NO	normally open contact
8	D1+	COM1 RS-485 +	19	RL 2 COM	Relay output common
9	D1-	COM1 RS-485 -	18	RL 2 NO	normally open contact
10	D1+	COM2 RS-485 +	17	RL 1 COM	Relay output common
11	D1-	COM1 RS-485 -	16	RL 1 NO	normally open contact
12	(R)+VS	+10~30VDC	15	RL 0 COM	Relay output common
13	(B)GND	GND	14	RL 0 NO	normally open contact

4. Hardware Installation

Connect an twisted-pair cable to A-1188 unit if connecting to a converter or direct to the PC(RS-485) as figure 1.

Connect an RS-232 cable to A-1188 unit if connecting direct to the PC(RS-232) as figure 2.

Connect the power adapter to A-1188 and other apply power. Power from other device.(+10--+30VDC).

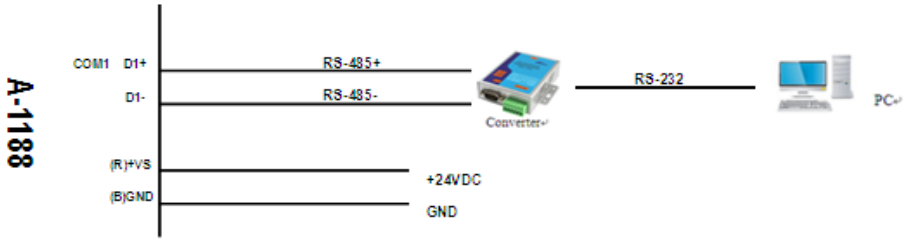


Figure 1

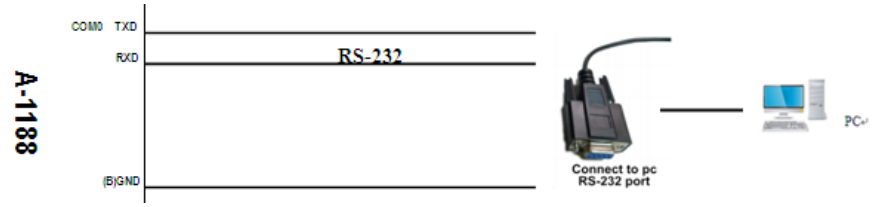
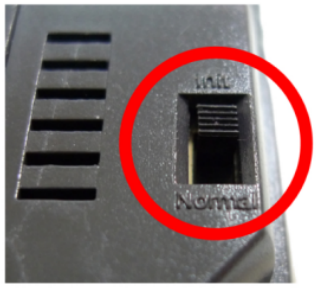


Figure 2

5.Software Configure

Install Yotta Utility.

Note: Be sure you have administrative rights &disable firewalls in windows XP.

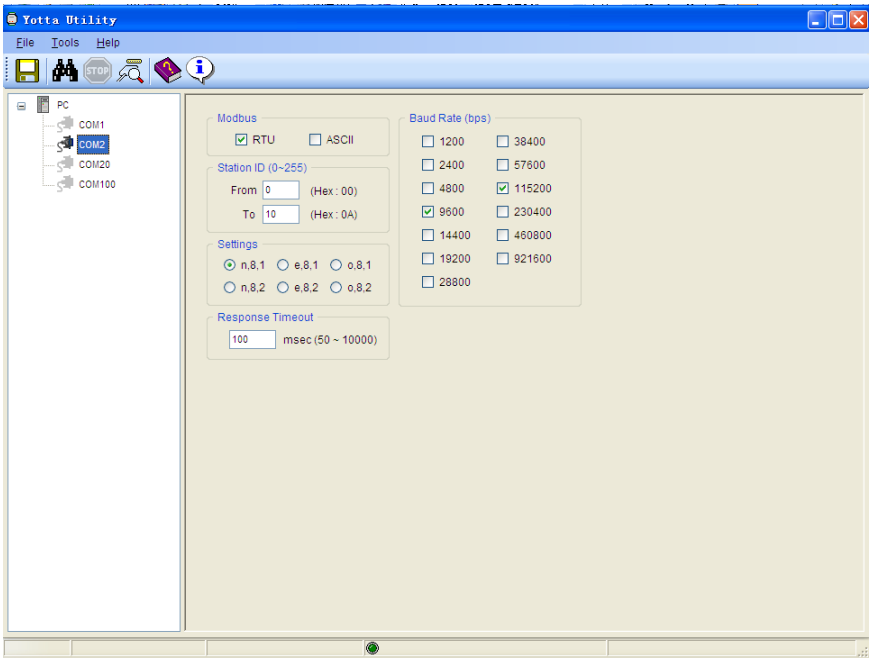


The switch at the bottom of A-1188, Init or Normal Mode.

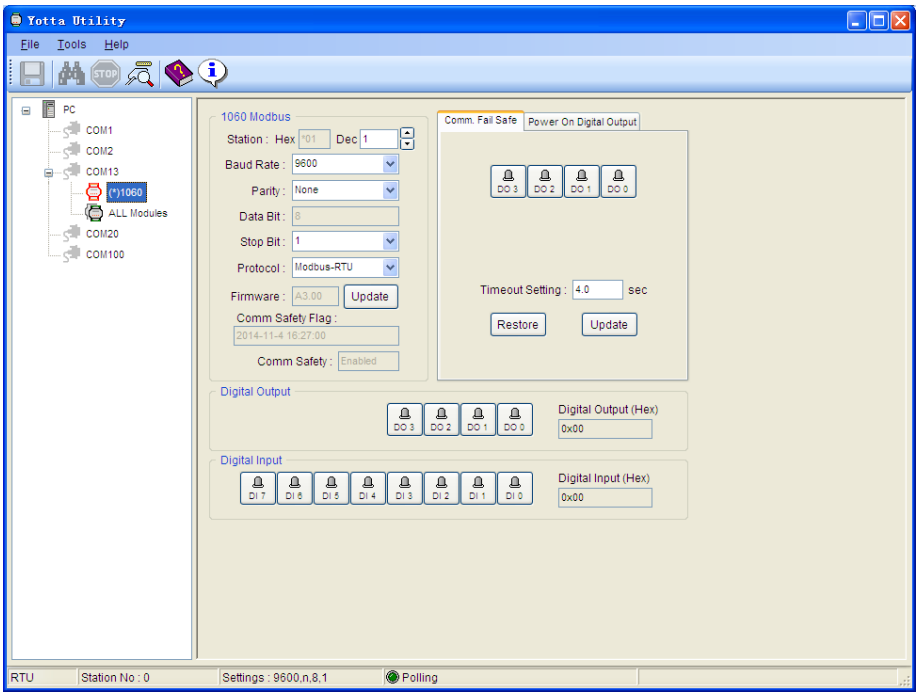
Be sure you have connect the A-1188.

In the meantime , find the switch at the bottom of A-1188, then turn the switch to Init.

Then open the software Yotta Utility.



Choose the COM correctly, click the search button. You can meet this page.



In the Init mode , you can see PLC A-1188's parameters.

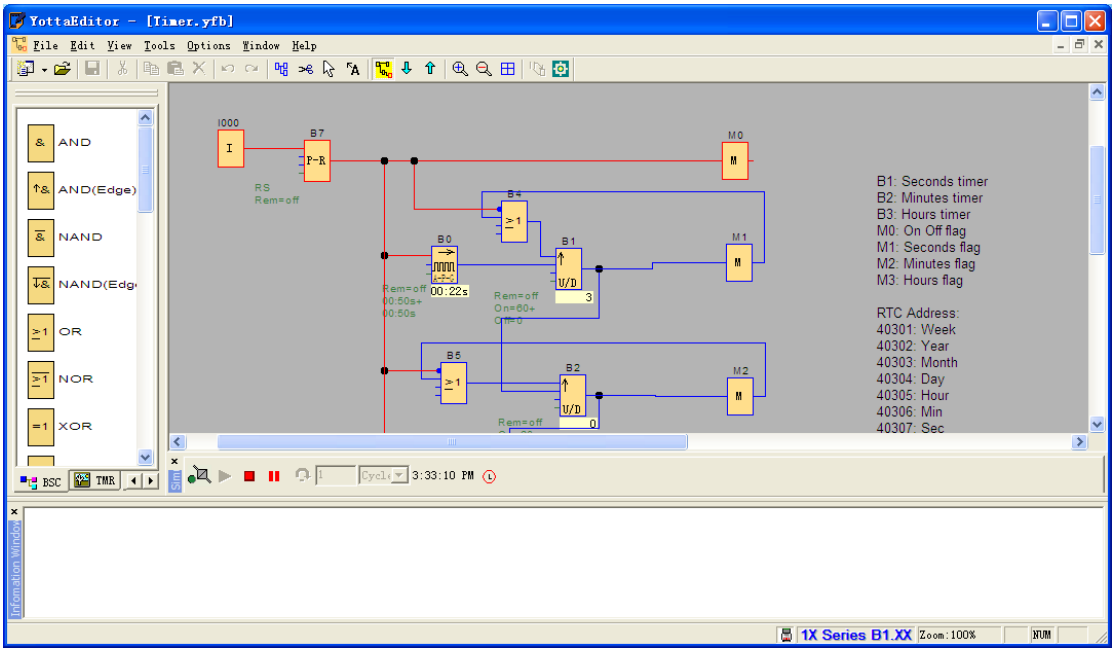
If you want to get the technical data in more detail ,please reference the contents of Yotta Utility.

Normal Mode

If you turn the switch to Normal , A-1188 will run normally . In this mode , A-1188's parameters and relative values cannot be read .

6. PLC programming system

Yotta Editor



In Init mode, you can upload/download Program.

If you want to get the technical data in more detail ,please reference the contents of Yotta Editor.

7. ModBus Address Mapping

Reference the contents of A-118X Series Address Mapping.